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ORGANISATION EUROPÉENNE POUR LA RECHERCHE NUCLÉAIRE
CERN EUROPEAN ORGANIZATION FOR NUCLEAR RESEARCH

COUNCIL

Hundred-and-eighty-seventh Session
Geneva – 14 and 15 December 2017

OPEN SESSION

MINUTES

TABLE OF CONTENTS

Section	Page
<hr/>	
LIST OF PARTICIPANTS	i
1. APPROVAL OF THE DRAFT MINUTES OF THE 185TH OPEN SESSION HELD ON 16 JUNE 2017	1
2. REPORT ON THE DECISIONS TAKEN AT THE RESTRICTED AND CLOSED SESSIONS	1
3. REPORT BY THE CHAIR OF THE FINANCE COMMITTEE	1
4. OVERVIEW REPORT FOR 2017 BY THE CHAIR OF THE SCIENTIFIC POLICY COMMITTEE.....	2
5. CERN IMPACT ON YOUNG PEOPLE’S CAREERS OUTSIDE HEP	3
6. OTHER BUSINESS	4

LIST OF PARTICIPANTS
OPEN SESSION - 15 December 2017

<u>President:</u>	Professor Sijbrand de Jong	Netherlands
<u>Participants:</u>	Mr Robert Müller	Austria
	Professor Jochen Schieck	
	Professor Dirk Ryckbosch	Belgium
	Professor Leandar Litov	Bulgaria
	Professor Rupert Leitner	Czech Republic
	Mr Petr Martinek	
	Mr Ondřej Novák	
	Professor Jens Jørgen Gaardhøje	Denmark
	Mr René Michelsen	
	Professor Paula Eerola	Finland
	Dr Pentti Pulkkinen	
	Professor Ursula Bassler	France
	Mr Damien Brintet	
	Professor Siegfried Bethke	Germany
	Dr Volkmar Dietz	
	Dr Thomas Roth	
	Professor Konstantinos Fountas	Greece
	Professor Peter Levai	Hungary
	Ms Barbara Vizkelety	
	Professor Eliezer Rabinovici	Israel
	Professor Umberto Dosselli	Italy
	Professor Eric Laenen	Netherlands
	Dr Joseph T.M. Rokx	
	Ms Liv Furuberg	Norway
	Professor Eivind Osnes	
	Mr Dariusz Drewniak	Poland
	Professor Jan Królikowski	
	Not represented	Portugal

Dr Florin Buzatu	Romania
Mr Anton Fric Professor Branislav Sitár	Slovakia
Mr Rafael Górgolas Professor Mario Martínez Mr Benjamin Sánchez Gimeno	Spain
Professor Barbro Åsman Professor Richard Brenner Professor Mats Johnsson	Sweden
H.E. Ambassador Bruno Moor Professor Olivier Schneider	Switzerland
Dr Brian Bowsher Professor Jonathan Butterworth	United Kingdom

Associate Member States in the Pre-stage to Membership:

Not represented	Cyprus
Professor Peter Adžić	Serbia
Ms Tea Glažar	Slovenia

Associate Member States:

Mr Mohammad Abdullah	India
Dr Hafëez Hoorani	Pakistan
Mr Ufuk Guneş Mr Suat Ünal Mr Alper Yüksel	Turkey
Professor Borys Grinyov Dr Maxim Titov	Ukraine

Observers:

Mr Ales Fiala	Representative of the EC
Dr Nicolai Russakovic	Representative of JINR
Mr Ryoei Chijiwa Professor Kazunori Hanagaki Mr Nobutake Niita	Representatives of Japan
Mr Vladimir Malinkin Professor Andrey Prokopenko Professor Alexander Skrinsky	Representatives of the Russian Federation
Dr Saul Gonzalez Dr Bradley Keister Dr Abid Patwa	Representatives of the USA
Not represented	Representative of UNESCO

Also Present:

Professor Halina Abramowicz Professor Keith Ellis Mr Ossi Malmberg	Chair of ECFA Chair of the Scientific Policy Committee Chair of the Finance Committee
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CERN Officials:

Dr Fabiola Gianotti Dr Frédérick Bordry Professor Eckhard Elsen Dr Martin Steinacher Ms Charlotte Warakaulle	Director-General Director for Accelerators & Technology Director for Research & Computing Director for Finance & Human Resources Director for International Relations
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and

Heads of Departments.

Representatives of the Staff Association

CERN Services:

Dr Eva-Maria Gröniger-Voss	Legal Counsel
Ms Lisa Morris Mr John Pym	Minute-Writers
Ms Brigitte Van der Stichelen Ms Vedrana Zorica	Council Secretariat

The meeting resumed in Open Session at 9.30 a.m. on Friday, 15 December.

The PRESIDENT welcomed the Observers: Mr A. Fiala of the European Commission, Dr N. Russakovic of JINR, Mr R. Chijiwa, Professor K. Hanagaki and Mr N. Niita of Japan, Mr V. Malinkin, Professor A. Prokopenko and Professor A. Skrinsky of the Russian Federation, and Dr S. Gonzalez, Dr B. Keister and Dr A. Patwa of the USA. Apologies had been received from Dr J. Siegrist of the USA and from UNESCO.

1. APPROVAL OF THE DRAFT MINUTES OF THE 185TH OPEN SESSION HELD ON 16 JUNE 2017

(Item 1 of the Agenda) (CERN/3329/Draft)

The Minutes of the Hundred-and-Eighty-Fifth Session of the Council, Open Session (CERN/3329) were approved.

2. REPORT ON THE DECISIONS TAKEN AT THE RESTRICTED AND CLOSED SESSIONS

(Item 2 of the Agenda) (Oral)

The PRESIDENT presented the decisions taken by the Council at its Restricted and Closed Sessions in September and December 2017¹.

The Council took note of the report by the President of Council.

3. REPORT BY THE CHAIR OF THE FINANCE COMMITTEE

(Item 3 of the Agenda) (Oral)

Mr MALMBERG presented a report² on the Finance Committee's September and December 2017 meetings, highlighting the fact that a record 99.2% of the year's contributions had been received by the time of the December meeting and that, as a result, no short-term loans would be required in 2017 or at the start of 2018. At both meetings, the Committee had received an update on the recent trend in and future outlook for the cumulative budget deficit (CBD) and had voiced appreciation for the Management's efforts to minimise the period during which the deficit exceeded the level of the Organization's annual cash-management capabilities. At its December meeting, it had taken note of the final Budget for 2018 expressed in 2018 prices and, in that context, of a 36 MCHF reduction in the CBD compared to the estimate included in the 2017 Medium-Term Plan. The reports on the Pension Fund at both meetings had included an update by the actuary on the evolution of the funding position, assets and liabilities since the

¹ <https://indico.cern.ch/event/681590/>

² <https://indico.cern.ch/event/681590/>

previous actuarial review as at 1.1.2016. The Committee had also received the customary reports on LHC matters and had congratulated the Management and all the teams involved in the successful LHC machine, experiment and computing activities during the year. Finally, the Committee had approved 72 contract adjudications in 2017, representing a total value of 267.3 MCHF.

The Council took note of the report by the Chair of the Finance Committee, Mr Malmberg, on the matters discussed at the Committee's September and December 2017 meetings.

4. OVERVIEW REPORT FOR 2017 BY THE CHAIR OF THE SCIENTIFIC POLICY COMMITTEE

(Item 4 of the Agenda) (Oral)

Professor ELLIS presented a report³ on the Scientific Policy Committee's activities during 2017. As part of its review of the Annual Progress Report, the Committee had heard presentations from the Management and the HSE Unit on safety issues, including occupational accident statistics, and wished to draw attention to the fact that the accident severity rate, while comparable with other research organisations and below the French national average, was higher for contractors' personnel than for CERN's employees. In addition to standing reports from the Director-General, the Directors for Accelerators and Technology and for Research and Computing and the Chairs of the INTC, SPSC and LHCC, the Committee had heard various physics reports during the year, including updates from the four major LHC experiments, as well as progress reports on specific facilities and machines. Site visits to Linac4 and the Neutrino Platform had been among the highlights of the Committee's year. The important physics results from 2017 had included the TOTEM collaboration's measurement of the total cross-section at 13 TeV, which could provide valuable input for the study of cosmic rays, and LHCb's work on lepton universality, focusing on the study of different types of decay. Finally, the Committee was currently discussing various possibilities for the study of Higgs physics at future machines with a twofold aim: to start to formulate an appropriate response to initiatives being taken elsewhere, and to identify information that would be key to the preparations for the update of the European Strategy for Particle Physics, in which the SPC was eager to play its part.

In reply to a question from Professor BETHKE about the possibility of scheduling further brainstorming sessions on specific topics, similar to the discussion on the goals and possibilities for future Higgs physics at the December meeting, which he had found very useful, Professor ELLIS said that he hoped it would be possible to free up at least a half-hour slot for such

³ <https://indico.cern.ch/event/681590/>

activities at each meeting. Indeed, a further brainstorming session on Higgs physics was scheduled for the next meeting in March 2018.

The Council took note of the overview by the Chair of the Scientific Policy Committee, Professor Ellis, of matters discussed by the Scientific Policy Committee in 2017.

5. CERN IMPACT ON YOUNG PEOPLE'S CAREERS OUTSIDE HEP

(Item 5 of the Agenda) (Oral)

Mr NIEDZIELA of the Students Career Study Group presented⁴ the results of an online questionnaire aimed at all current and former members of the LHC and other experiments who had completed their PhD at CERN. Following on from a smaller survey, the results of which had been presented at the Council's Restricted Session in December 2016, the questionnaire had been designed to study CERN's impact on young people's future careers outside high-energy physics. The preliminary findings had been presented to the Council at its Open Session in June 2017, before the questionnaire had closed in September with almost 2700 people having taken part. The updated results, which were almost final, showed that CERN's impact on the careers of its users was generally very positive, with the majority of those leaving indicating satisfaction with their working experience at CERN and going on to secure good positions outside; however, many respondents had voiced the opinion that the Organization could do more to help in the search for jobs outside high-energy physics. It was hoped that the CERN Alumni programme would contribute to improving the situation. A written report of the results of the questionnaire, incorporating the outcome of a separate survey of theoretical physicists on the same subject, would be made available in spring 2018.

Dr BOWSHER, referring to the comment that CERN could do more to help those seeking jobs outside high-energy physics, observed that in the United Kingdom eight new centres for doctoral training in data-intensive science, involving nineteen universities, had attracted a very large number of applicants. In addition to funding from the Science and Technology Facilities Council (STFC), the centres had attracted support from over a hundred companies. The desire of industries, including the financial services, to help hone the data-intensive capabilities of young people from fields including astronomy and high-energy physics offered an opportunity for CERN to explore broader career development possibilities outside the field of high-energy physics.

Thanking Mr Niedziela and the Students Career Study Group for their very useful work, the DIRECTOR-GENERAL commented that one of the main goals of the CERN Alumni programme was indeed to provide support to young colleagues leaving the field by encouraging

⁴ <https://indico.cern.ch/event/681590/>

people to share their experiences of life after CERN, and that the alumni webpage now also carried recruitment notices from companies. In addition, Dr Bowsher's suggestion to explore targeted actions with industry would be followed up with the HR department. She also wished to invite Council delegates to submit any further ideas they might have for improving the situation.

In reply to Professor RYCKBOSCH, who asked whether any correlation had been observed between gender and the reasons for leaving high-energy physics, Mr NIEDZIELA said that the subject had not been studied but could be looked at in the future.

In reply to Professor SITÁR, who asked why Slovakia was not included in the "Satisfaction with CERN experience" graph featuring the CERN Member States and other countries with major LHC communities, Mr NIEDZIELA said that certain graphs were limited to those countries with a minimum number of respondents. For the graph concerned, either an error had been made or an insufficient number of responses had been received from Slovakia.

In response to a question from Professor LAENEN as to whether responses from theoretical physicists were included in the results presented, Mr NIEDZIELA explained that those who had completed the questionnaire before the launch of the separate survey specifically targeting them were included in the sample. However, as many respondents of the main questionnaire had indicated that they had worked in both experimental and theoretical physics, the number of pure theorists represented in the results was probably negligible.

The Council took note of the presentation by Mr Niedziela.

6. OTHER BUSINESS

(Item 6 of the Agenda)

- End of the term of office of two committee chairs

On behalf of the Council, the PRESIDENT thanked Professor H. Abramowicz, the outgoing ECFA Chair, and Mr B. Dormy, the outgoing TREF Chair, for their contributions to the Council's discussions.

- Retirement of Ms B. Van der Stichelen

On behalf of the Council, the PRESIDENT thanked Ms Brigitte Van der Stichelen for her invaluable support in the Council Secretariat over many years, and wished her well for her retirement.

- Symposium to celebrate 25 years of the LHC experimental programme

The PRESIDENT reminded the Council delegates that they were invited to attend a symposium at 11 a.m. to celebrate 25 years of the LHC experimental programme.

The meeting rose at 10.40 a.m.

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